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㉓ Coprocessor management in a virtual memory virtual machine data processing system.

㉔ Management of the operation of a coprocessor in a virtual memory virtual machine data processing system in which an Input/Output channel and an Input/output channel controller interconnect the coprocessor to the main processor and system memory uses a Virtual Resource Manager (VRM) comprising a group of interrelated software programs which function in the system to establish virtual machines that execute application programs concurrently. A Coprocessor Manager component of the VRM establishes a Virtual Machine in which the coprocessor executes application programs that cannot be executed on the main processor. The coprocessor is mounted on an integrated circuit card which is inserted into a 'mother board' socket which contains the main processor and related components.

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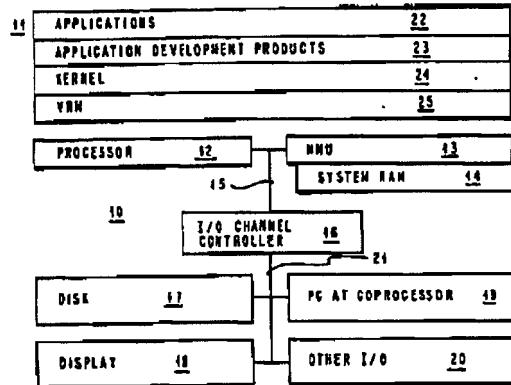


FIG. 4



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## EUROPEAN SEARCH REPORT

Application Number

EP 87 30 0123

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	MINI-MICRO SYSTEMS, vol. 17, no. 10, August 1984, pages 54,58, US; C. BAILEY: "Virtual microsystems adds PC-DOS compatibility to DEC micros" * Whole article * ---	1-9	G 06 F 9/38 G D6 F 9/46
A	IBM TECHNICAL DISCLOSURE BULLETIN, vol. 29, no. 4, September 1986, pages 1583-1584, Armonk, New Jersey, US; "Method to provide coprocessor access to system memory in a virtual memory system" * Whole article * -----	1-9	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G 06 F 9/38 G 06 F 9/46
<p>The present search report has been drawn up for all claims</p>			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	09-09-1990	QUESSON C.J.	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	
<b>EPO FORM ISDN 86/001 (Rev. 00/01)</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			